

Knobbe Martens Olson & Bear LLP

Intellectual Property Law

550 West C Street
Suite 1200
San Diego CA 92101
Tel 619-235-8550
Fax 619-235-0176
www.knob.com

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TO: Examiner Lankford
FIRM: USPTO
FACSIMILE No.: 571-273-0971; 571-273-8300
OUR REF.: CYTH.000GEN
YOUR REF.: USSN 11/584,202; USSN 10/614,431; 10/614,392; 10/614,638; and
10/614,643
FROM: Eric Furman
OPERATOR: Kathleen Mekjian
DATE: December 28, 2007
TIME: 9AM EST
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To: Examiner Leon Lankford, Group Art Unit 1651
Fax No: 571-273-0917/571-273-8300

From: Eric S. Furman, Reg. No. 45, 664

Re: **SYSTEMS AND METHODS FOR TREATING PATIENTS WITH PROCESSED
LIPOASPIRATE CELLS**

Serial No's.: 11/584,202; 10/614,431; 10/614,392; 10/614,638; 10/614,643

Filed: July 7, 2003

Date: December 28, 2007

Dear Examiner Lankford,

Please find the attached proposed claims for discussion at our interview scheduled for 10:00AM on January 8, 2008. I have included the allowed claim in Application No. 10/614,644 and proposed claims in related applications. The portions of the proposed claims that differ from the allowed claim are highlighted. I look forward to our meeting on January 8, 2008 and moving the prosecution of the cases forward. Please call me at 619-687-8463 (direct) at your earliest convenience if you have any questions.

Best regards,

Eric Furman

Eric Furman
Attorney
Reg. No. 45,664

USSN: 10/614,644 ALLOWED CLAIM

A self contained adipose-derived stem cell processing unit, comprising:

a tissue collection container configured to receive adipose tissue that is removed from a patient, wherein said tissue collection chamber is defined by a closed system;

a first filter that is disposed within said tissue collection container, which is configured to retain adipose tissue and pass lipid, blood, and saline;

a cell collection chamber, which is configured to receive and concentrate a population of cells that comprises adipose-derived stem cells from said tissue collection container, wherein said cell collection container is within said closed system; and

an outlet configured to allow the aseptic removal of said concentrated population of cells that comprise adipose-derived stem cells.

USSN 11/584,202 (CYTH.002C1) - PROPOSED CLAIM

A self-contained adipose-derived stem cell processing unit, comprising:

a tissue collection container that is configured to receive adipose tissue that is removed from a patient, wherein said tissue collection chamber is defined by a closed system;

a first filter that is disposed within said tissue collection container, which is configured to retain adipose tissue and pass lipid, blood, and saline,

a cell collection chamber, which is configured to receive and concentrate a cell population that comprises adipose-derived stem cells from said tissue collection container, wherein said cell collection container comprises a container of said said

wherein said cell collection container is within said closed system; and

an outlet configured to allow the aseptic removal of said concentrated population of cells that comprise adipose-derived stem cells.

USSN 10/614,431 (CYTH.002DV1) - PROPOSED CLAIM

A method of processing a cell population that comprises adipose-derived stem cells comprising:

removing adipose tissue that comprises a cell population that comprises adipose-derived stem cells from a patient;

introducing the removed adipose tissue that comprises said cell population into a self-contained adipose-derived stem cell processing unit;

a self-contained adipose-derived stem cell processing unit configured to maintain a closed pathway, wherein said self-contained adipose derived stem cell processing unit comprises:

a tissue collection container that is configured to receive adipose tissue that is removed from a patient, wherein said tissue collection chamber is defined by a closed system;

a first filter that is disposed within said tissue collection container, which is configured to retain adipose tissue and pass lipid, blood, and saline,

a cell collection chamber, which is configured to receive and concentrate a cell population that comprises adipose-derived stem cells from said tissue collection container, wherein said cell collection container comprises a centrifuge or a spinning membrane filter, and wherein said cell collection container is within said closed system; and

an outlet configured to allow the aseptic removal of said concentrated population of cells that comprise adipose-derived stem cells;

separating and concentrating said cell population that comprises adipose-derived stem cells from said removed adipose tissue within a self-contained cell processing unit while maintaining said closed pathway; and
connecting said concentrated cell population that comprises adipose-derived stem cells and an additive.

USSN 10/614,392 (CYTH.002DV2) - PROPOSED CLAIM

method of processing a cell population that comprises adipose-derived stem cells comprising:
removing adipose tissue that comprises a cell population that comprises adipose-derived stem cells from a patient;
disposing the removed adipose tissue within a self-contained adipose-derived stem cell processing unit configured to maintain a closed pathway, wherein said self-contained adipose derived stem cell processing unit comprises:

a tissue collection container that is configured to receive adipose tissue that is removed from a patient, wherein said tissue collection chamber is defined by a closed system;

a first filter that is disposed within said tissue collection container, which is configured to retain adipose tissue and pass lipid, blood, and saline,

a cell collection chamber, which is configured to receive and concentrate a cell population that comprises adipose-derived stem cells from said tissue collection container, wherein said cell collection container comprises a centrifuge

or a spinning membrane filter, and wherein said cell collection container is within said closed system; and

an outlet configured to allow the aseptic removal of said concentrated population of cells that comprise adipose-derived stem cells;

separating and concentrating said cell population that comprises adipose-derived stem cells from said removed adipose tissue within said self-contained cell processing unit while maintaining said closed pathway; and

collecting said concentrated cell population that comprises adipose-derived stem cells.

USSN 10/614,643 (CYTH.002DV5) - PROPOSED CLAIM

A method of processing a cell population that comprises adipose-derived stem cells comprising:

removing a first portion of adipose tissue that comprises a cell population that comprises adipose-derived stem cells from a patient;

introducing the removed first portion of adipose tissue that contains said cell population into said self-contained adipose-derived stem cell processing unit;

a self-contained adipose-derived stem cell processing unit configured to maintain a closed pathway, wherein said self-contained adipose derived stem cell processing unit comprises:

a tissue collection container that is configured to receive adipose tissue that is removed from a patient, wherein said tissue collection chamber is defined by a closed system;

a first filter that is disposed within said tissue collection container, which is configured to retain adipose tissue and pass lipid, blood, and saline,

a cell collection chamber, which is configured to receive and concentrate a cell population that comprises adipose-derived stem cells from said tissue collection container, wherein said cell collection container comprises a centrifuge or a spinning membrane filter, and wherein said cell collection container is within said closed system; and

an outlet configured to allow the aseptic removal of said concentrated population of cells that comprise adipose-derived stem cells;

separating and concentrating said cell population that comprises adipose-derived
stem cells from said adipose-derived stem cell population and said self-contained cell
processing unit while maintaining said closed pathway to maintain a concentrated cell
population that comprises said adipose-derived stem cells from
said self-contained cell population that comprises said adipose-derived stem
cells with a second portion of adipose-derived stem cells from said patient.

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